



7-7-04

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Practitioner's Docket No. 1012-138C1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Damian A. Hajduk et al.

Application No.: 10/715,159

Group No.: 2857

Filed: November 17, 2003

Examiner: Unknown

For: HIGH THROUGHPUT MECHANICAL PROPERTY TESTING OF MATERIALS
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Commissioner for Patents

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Applicants submit this statement in accordance with their duty of disclosure under 37 CFR 1.56 and 1.97-1.98. The submission made herewith is in no way intended as an admission that the cited items constitute material prior art or otherwise would render the claims unpatentable in any way. The submission also is in no way intended to substitute for the Examiner's own independent investigation.

Listings on forms PTO/SB/08A and PTO/SB/08B are submitted herewith. Copies of cited references have not been provided due to their presence in the parent application. Applicants respectfully solicit the Examiner's consideration of the cited references and entry thereof into the record of this application.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Sheet 1 of 1 Attorney Docket Number 1012-138C1

Complete if Known

Application Number	10/715,159
Filing Date	11/17/2003
First Named Inventor	Damian A. Hajduk et al.
Group Art Unit	2857
Examiner Name	

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	6,242,623	B1		Boussie et al.	06/05/2001	
	6,225,487	B1		Guram	05/01/2001	
	6,225,550	B1		Hornbostel et al.	05/01/2001	
	6,248,540	B1		Weinberg et al.	06/19/2001	
	6,260,407	B1		Petro et al.	07/17/2001	
	6,265,601	B1		Guram et al.	07/24/2001	
	6,265,226	B1		Petro et al.	07/24/2001	
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	6,050,138			Lynch et al.	04/18/2000	
	6,040,193			Winkler et al.	03/21/2000	
	6,033,913			Morozov et al.	03/07/2000	
	6,010,616			Lewis et al.	01/04/2000	
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	5,922,967			Motoyama	07/13/1999	
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	5,877,428			Scolton	03/02/1999	
	5,847,283			Finot et al.	12/08/1998	

FOREIGN PATENT DOCUMENTS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/715,159
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				Group Art Unit	2857
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	1012-138C1

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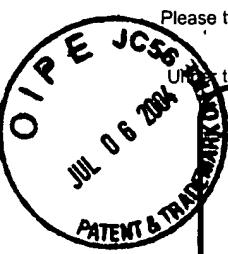
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		Number	Kind Code ² (if known)			
		1,870,412		Kennedy	08/09/1932	
		3,071,961		Heigl et al.	01/08/1963	
		3,675,475		Weinstein	07/11/1972	
		3,713,328		Aritomi	01/30/1973	
		3,798,960		Glass	03/26/1974	
		3,805,598		Corcoran	04/23/1974	
		3,818,751		Karper et al.	06/25/1974	
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		3,895,513		Richardson	07/22/1975	
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		4,229,979		Greenwood	10/28/1980	
		4,447,125		Lazay et al.	05/08/1984	
		4,517,830		Gunn, deceased et al.	05/21/1985	
		4,567,774		Manahan et al.	02/04/1986	
		4,570,478		Soong	02/18/1986	
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		4,685,328		Huebner et al.	08/11/1987	

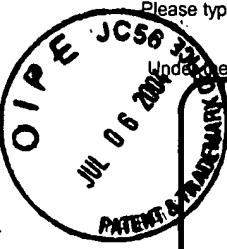
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		Office ³	Number ⁴			
		JP	402297040A	Akaha Toru	12/07/1990	
		WO	00/51720	Symyx Technologies, Inc.	09/08/2000	
		WO	00/17413	Symyx Technologies	03/30/2000	
		WO	96/11878	Univ. of CA	04/25/1996	
		WO	98/15501	Symyx Technologies	04/16/1998	
		WO	99/18431	Symyx Technologies	04/15/1999	
		EP	0317356A2	Chichibu Cement	05/24/1989	

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Application Number	09/938,994
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Attorney Docket Number	1012-138

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		Number	Kind Code ² (if known)			
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	4,749,854			Martens	06/07/1988	
	4,789,236			Hodor et al.	12/06/1988	
	4,793,174			Yau	12/27/1988	
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	5,115,669			Fuller et al.	05/26/1992	
	5,142,900			Duke	09/01/1992	
	5,193,383			Burnham et al.	03/16/1993	
	5,236,998			Lundeen et al.	08/17/1993	
	5,271,266			Eschbach	12/21/1993	
	5,272,912			Katsuzaki	12/28/1993	
	5,280,717			Hoseney et al.	01/25/1994	
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1012-138

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		Number	Kind Code ² (if known)			
	5,481,153			Turner	01/02/1996	
	5,610,325			Rajagopal et al.	03/11/1997	
	5,626,779			Okada	05/06/1997	
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	5,728,532			Ackley	03/17/1998	
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	5,821,407			Sekiguchi et al.	10/13/1998	
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	4,715,007			Fujita et al.	12-1987	
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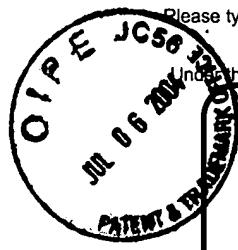
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	5,776,359			Schultz et al.	07/07/1998	
	5,959,297			Weinberg et al.	09/28/1999	
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	6,182,499 B1			McFarland et al.	02/06/2001	
	6,187,164 B1			Warren et al.	02/13/2001	
	6,203,726 B1			Danielson et al.	03/20/2001	

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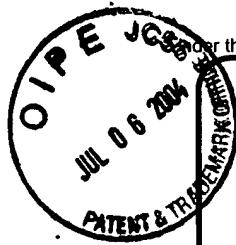
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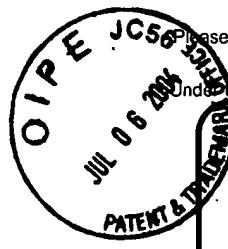
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		U.S. Application Serial No. 09/420,334 entitled " Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 18, 1999	
		U.S. Patent Application Serial No. 09/305,830 titled "Synthesizing Combinatorial Libraries of Materials" (Rust, et al.) filed on May 5, 1999	
		U.S. Application Serial No. 09/550,549 entitled "Automated Process Control And Data Management System And Methods" (Crevier, et al.) filed on April 14, 2000	
		U.S. Application Serial No. 09/755,623 entitled "Laboratory Database System and Methods For Combinatorial Materials Research" (Dorsett, Jr., et al.) filed on January 5, 2001.	
		The family of applications for U.S. Application Serial No. 09/227,558 entitled, "Apparatus and Method of Research for Creating and Testing Novel Catalysts, Reactions and Polymers" (Turner et al.) filed January 8, 1999	
		U.S. Application Serial No. 09/235,368 entitled "Polymerization Method From the Combinatorial Synthesis and Analysis of Organometallic Compounds and Catalysts" (Weinberg et al.) filed on January 21, 1999	
		U.S. Provisional Application Serial No. 60/122,704 entitled "Controlled, Stable Free Radical Emulsion and Water-Based Polymerizations" (Klaerner et al.) filed on March 9, 1999	
		The family of applications for U.S. Application Serial No. 09/567,598 entitled "Polymer Libraries on a Substrate, Method for Forming Polymer Libraries on a Substrate and Characterization Methods with Same" (Boussie et al.) filed May 10, 2000	
		The family of applications for U.S. Patent Application Serial No. 09/174,856 titled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 19, 1998.	
		ODIAN, Principles of Polymerization, 3rd Ed., John Wiley & Sons, Inc. (1991)	
		TIMOSHENKO, S., Theory of Plates and Shells, McGraw-Hill, New York 1940	

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First Named Inventor	Damian A. Hajduk et al.
Group Art Unit	2857
Examiner Name	

Attorney Docket Number 1012-138C1

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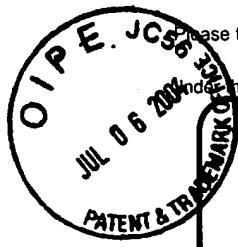
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"DMA 2980 Dynamic Mechanical Analyer," http://www.tainst.com/dma2.html , 12/29/00	
		"Introducing the NEW DMTA V!", http://www.rheometricscientific.com/dmtaV.htm , 12/29/00	
		"Standard Test Method for Rubber Property-International Hardness," American Society for Testing and Materials	
		AMITAY-SADOVSKY, ELLA and H. Daniel Wagner, "Evaluation of Young's Modulus of Polymers from Knoop Microindentation Tests" Polymer Communications, 1998, vol. 39, no. 11, pp. 2387-2390.	
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		BOWLT, C., "A Simple Capillary Viscometer" Physics Education, March 1975, vol. 10, no. 2, pp. 102-103	
		LACOMBE, ROBERT H. and Jeremy Greenblatt, "Mechanical Properties of Thin Polyimide Films" pp. 647-668	
		SHINOZAKI, D.M. and Y. Lu, "Micro-Indentation Relaxation Measurements in Polymer Thin Films" Journal of Electronic Materials, 1997, vol. 26, no. 7, pp. 852-858	
		WIERENGA, P.E. and A.J.J. Franken, "Ultramicroindentation Apparatus for the Mechanical Characterization of Thin Films" J. Appl. Phys., June 15, 1984, 55 (12).	
		European Search Report dated December 10, 2001	

Examiner Signature	Date Considered
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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/715,159
Sheet	1	Filing Date	11/17/2003
		First Named Inventor	Damian A. Hajduk et al.
		Group Art Unit	2857
		Examiner Name	
		Attorney Docket Number	1012-138C1

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		U.S. Patent Application Serial No. 09/939,404 entitled "High Throughput Mechanical Property and Bulge Testing of Material Libraries," (D. Hajduk et al.) filed on August 24, 2001.
		U.S. Patent Application Serial No. 09/939,252 entitled "High Throughput Mechanical Rapid Serial Property Testing of Material Libraries," (P. Mansky) filed on August 24, 2001.
		U.S. Patent Application Serial No. 09/939,139 entitled "High Throughput Fabric Handle Screening," (M. Kossuth et al.) filed on August 24, 2001.
		U.S. Patent Application Serial No. 09/939,149 entitled "High Throughput Rheological Testing of Materials," (P. Mansky et al.) filed on August 24, 2001.
		U.S. Patent Application Serial No. 09/939,263 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using Capacitance," (D. Hajduk et al.) filed on August 24, 2001.
		The family of applications for U.S. Patent Application Serial No. 09/580,024 entitled "Instrument for High Throughput Measurement of Material Physical Properties and Method of Using Same," (Carlson, et al.) filed on May 26, 2000
		U.S. Application Serial No. 09/801,165 entitled "Method and Apparatus for Characterizing Materials By Using a Mechanical Resonator" filed March 7, 2001
		U.S. Application Serial No. 09/578,997 entitled "High Throughput Viscometer and Method of Using Same" filed May 25, 2000
		PCT Application No. PCT/US01/11417 entitled "Automated Process Control and Data Management System and Methods", filed 4/6/2001

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		YOUNG, W.C., Roark's Formulas for Stress and Stain, 1989	
		OSTERBERG, Peter M. and Stephen D. Senturia, "M-TEST: A Test Chip for MEMS Material Property Measurement Using Electrostatically Actuated Test Structures," Journal of Microelectromechanical Systems, Vol. 6, No. 2, June 1997	
		KIM, J.O. and B. Lewis Slaten, "Objective Assessment of Fabric Handle in Fabrics Treated With Flame Retardants," Journal of Testing and Evaluation, JTEVA, Vol. 24, No. 4, July 1996, pp. 223-228.	
		GROVER, G. et al., "A Screening Technique for Fabric Handle", J. Text. Inst., 1993, 84 No. J. Textile Institute, pp. 486-494.	
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		"Handle-O-Meter", Thwing-Albert Instrument Company, Philadelphia, PA.	
		RAEEL, MASTURA and Jiang Liu, "An Empirical Model for Fabric Hand" Textile Research Journal 62, 1, pp. 31-38 (1991).	
		ALI, S.I. and Shahida Begum, "Fabric Softeners and Softness Perception", Ergonomics, v.37, No. 5, pp. 801-806 (1994).	

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